

USEPA/OCEA/OC  
State and Tribal Assistance Grant (STAG) 1999-2000  
Oregon: Measuring Deterrence  
Quarter 2, 2001 Report  
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**Quarterly Reporting Form for EPA's 2000  
Enforcement and Compliance Assurance Grants**

I. Information

State and Department: Oregon Department of Environmental Quality, Enforcement  
Title of Project: Measuring Deterrence  
Grant Contact Person: David LeBrun, Environmental Law Specialist  
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Funds Received by State: \$119,060 in July 2000

Quarter and year report is being filed for: **First Quarter ending April 1, 2001**  
Author of report: David LeBrun

II. Status of Project Milestones

Below is the list of Project Milestones as presented in DEQ's Third Quarter report summarized in October 2000. (*Italics indicates changes from last report*)

Project Miletones	Anticipated Completion Date	Completed	Comment
Start Date	July 1, 2000	July 1, 2000	
DEQ Meetings to finalize Parameters of Survey firm participation	August 15, 2000	September 1, 2000	D. LeBrun participated in meetings with Enforcement and the DEQ Performance Measures CORE team to finalize parameters.
Evaluation of Survey's goals reassessed and evaluated	September 1, 2000	September 1, 2000	D. LeBrun and L. Carlough made a number of decisions regarding scoping the project and determining which populations to target. Further, issues were singled out for investigation by research and survey firms.

Meet and interview survey firms	October 1, 2000	October 15, 2000	Final interviews held with 3 different research and survey firms. Proposals received from all 3.
Finalize contract with independent survey firm	November 1, 2000	November 1, 2000	Decided on Market Decisions although contract has not been finalized (Proposal attached)
Generate list of Executive Survey recipients for internal review	November 15, 2000, postponed until March 2001		Researching being conducted on how to define target audience for executive survey. Number one issue identified is how to create a data base for survey firm to use.
Present "General Population" draft survey questions for internal and EPA review	December 5, 2000	Internal review takes additional two weeks	Survey questions have been chosen draft was circulated to EPA December 20, 2000. Because of large number of comments an additional draft may be sent to EPA for review in mid January
Contractor to program and test "General Population" survey		<i>January 29-February 2</i>	On Survey firm's advise, test is being delayed until after holidays to insure integrity of results
Present final "General Population" survey questions for EPA review	January 15, 2001	<i>January 23, 2001</i>	<i>Received comments back, coordinated by Sue Ennis. All of the comments were incorporated into the questionnaire. Additional work required to cut questionnaire to meet timing requirements</i>
"General Population" Survey fielding	January 15-25, 2001	<i>February 19-28</i>	<i>Additional work done on survey parameters</i>
"General Population" survey results presented to DEQ	February 15, 2001	<i>March 12</i>	<i>Rough draft and raw data presented on March 12. Final copy of survey results delivered March 20. DEQ to meet with survey firm April 1-April 15 to discuss results.</i>
Submit copy of preliminary results to EPA	February 15, 2001 (Expected April 20, 2001)		<i>Final report to be forwarded following April meetings with survey firm.</i>
Present "Executive" draft survey questions for internal and	February 1, 2001 (Expected June-July 2001)		D LeBrun and DEQ staff have already completed portions of the draft

EPA review			"Executive" survey questions.
Contractor to program and test "Executive" survey	February 15, 2001 ( <i>Expected August Sept 2001</i> )		
Present final "Executive" survey questions for EPA review	March 1, 2001 ( <i>expected September 2001</i> )		
"Executive" Survey fielding	March 15 April 5, 2001 ( <i>expected October 2001</i> )		
"Executive" survey results presented to DEQ	April 25, 2001 ( <i>expected November 2001</i> )		DEQ will take this information and begin analysis and interpretation.
Meet with EPA program administrator for review and comment on the survey results	TBD		Also discuss possibility of redirected survey. Based on preliminary findings DEQ will make decision regarding a follow-up study.
Submit to EPA, DEQ's plan for a follow-up survey to test results of initial findings.	TBD		DEQ will test initial survey findings with either a redirected survey or a targeted series of inspections following changes to selected enforcement factors
Complete follow-up survey	TBD		
Submit results to EPA	TBD		
Submit to EPA Project Administrator a draft of paper summarizing results and conclusions	TBD		
Publish Findings	TBD		

### III. Status of Project Completion Date

The Anticipated project completion date is June 2002.

### IV. Other

As indicated above one of the major issues is the selection or creation of a database for use in the Executive Survey. In the general population survey we are attempting to find the deterrent effect of enforcement actions on the average Oregon citizen. This can be achieved through a survey of a random sample of the Oregon population. This is important because individual Oregonians are

regulated by the statutes and regulations we enforce and are therefore potential violators and an audience we seek to deter through our enforcement actions. In the Executive Survey we will have to narrow our audience and will therefore define the “universe” from which we randomly sample. Based the overall question we are asking we are attempting to find the deterrent effect of our actions on Oregon businesses who are potential violators. Our difficulty is finding a database or list that contains these businesses without being overly broad. We are researching potential databases and techniques to create usable lists of businesses.